

From Intuition to Intelligence: Engineering Teams for Strategic Success

A Strategic Proposal by Alexander Lambrianou to Enhance Team Design

Net Zero Aviation Strategy

AMBITIOUS SUSTINABABILTY GOALS



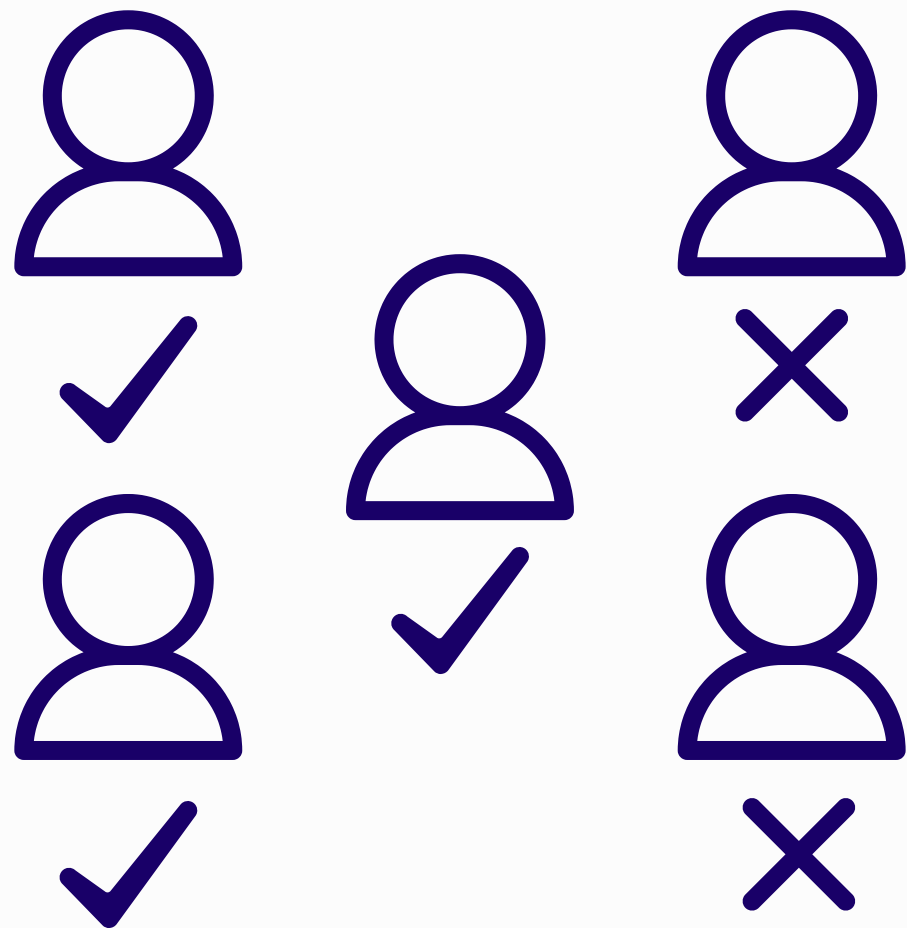
-15%



-45%

Team Formation

‘REAL-WORLD POLICY PROBLEMS ARE INHERENTLY INTERDISCIPLINARY AND CANNOT BE ADDRESSED WITH KNOWLEDGE FROM ONLY A SINGLE... DISCIPLINE’ (NEWMAN, 2023)



- TRADITION

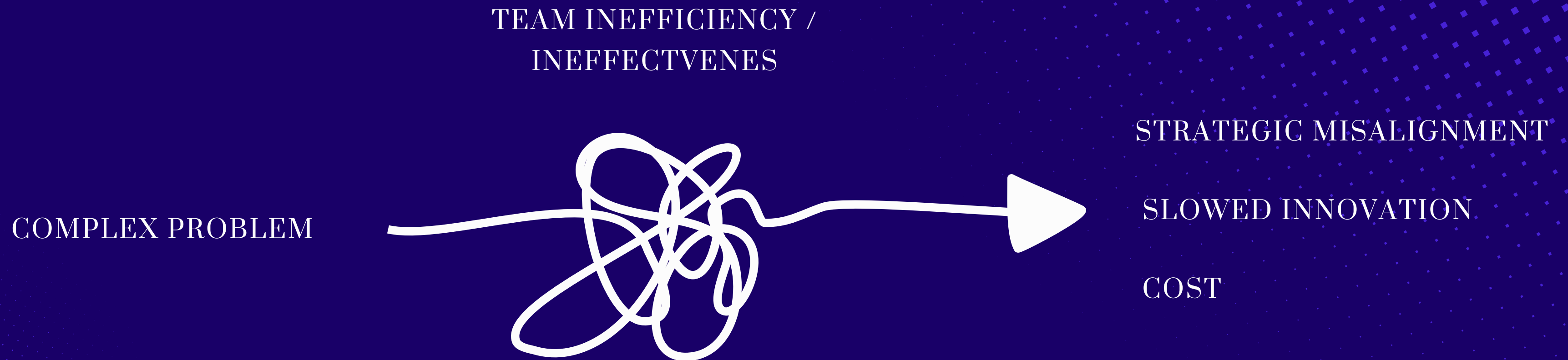
- INTUITION

- JOB LABELS

- EXISTING SOCIAL TIES

A Strategic Blind Spot

TRADITIONAL COLLABORATION MODELS AND METHODS OVERLOOK THE MOST
CRITICAL FACTOR: THE CONTENT OF THE KNOWLEDGE BEING SHARED



The Solution: A Framework for Strategic Team Design

DATA-DRIVEN

COMPUTATIONALLY
VALIDATED

FLEXIBLE

Stage 1 - Identify the Best Possible Teams



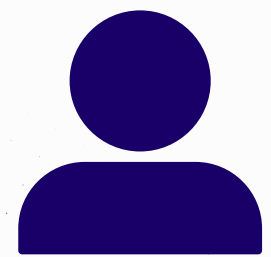
PERSONNEL
AVAILABILITY

ADAPTABLE TO:

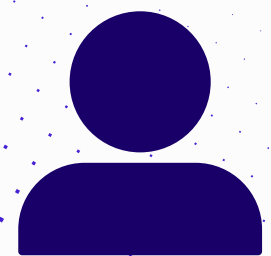
&

TEAM SIZE

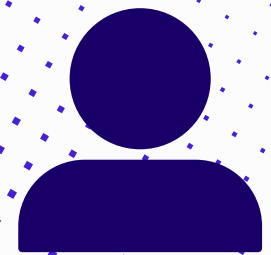
Stage 2 - Analyse Internal Team Structure



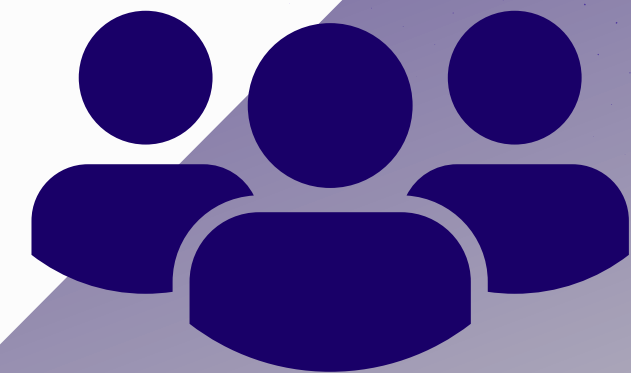
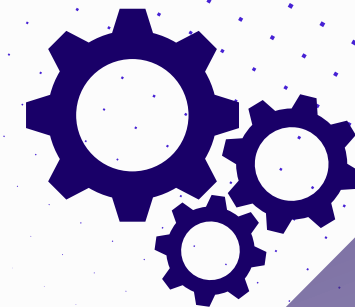
A, D, G, I



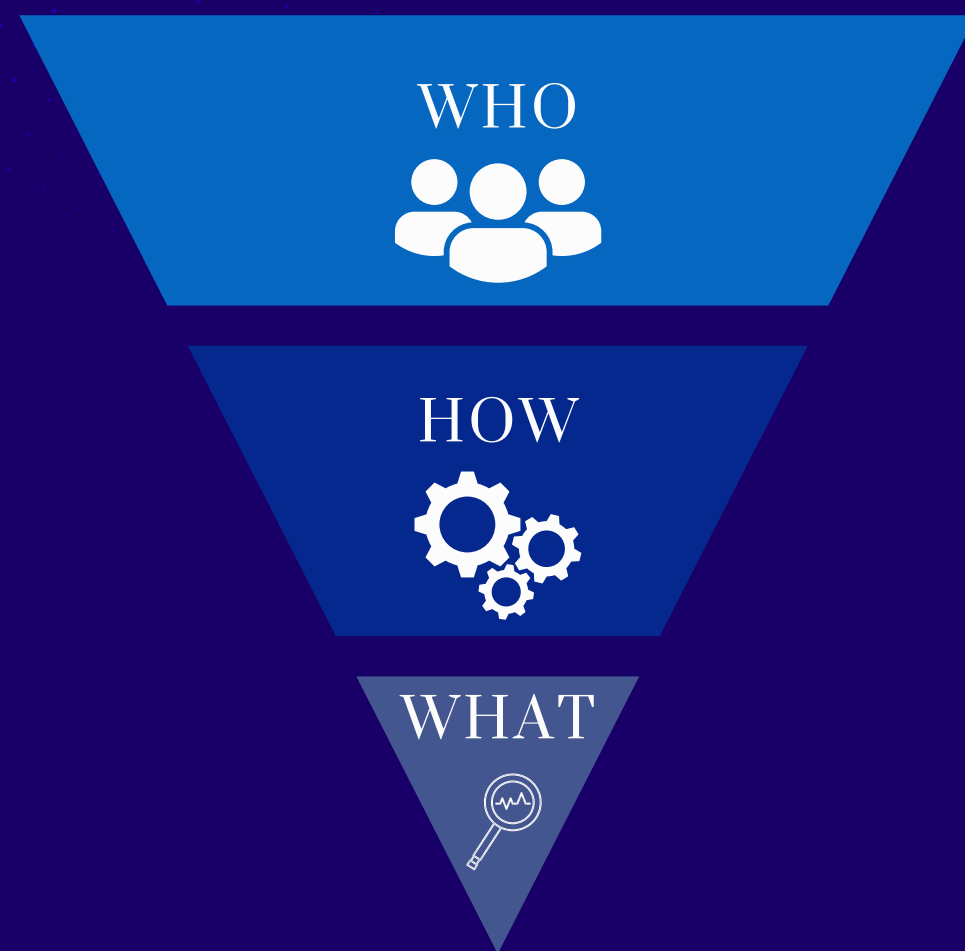
B, D, F, G, H



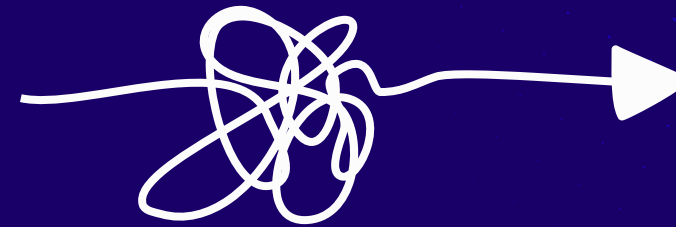
C, E



Stage 3 - Deliver Strategic Insight



COMPLEX
PROBLEM



STRATEGIC
MISALIGNMENT

SLOWED
INNOVATION
COST

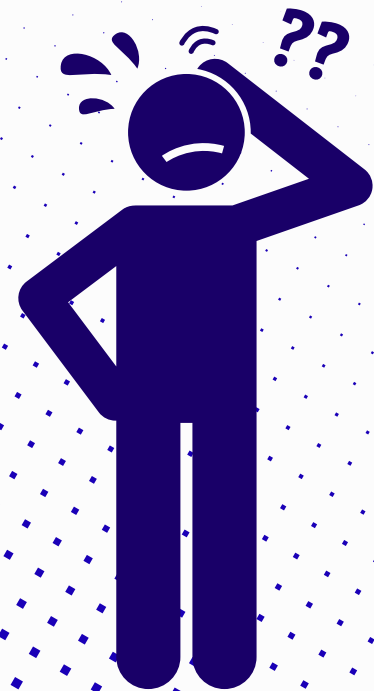
COMPLEX
PROBLEM



SOLUTION

The How:

1. DEFINE PROBLEM
& EXPERTS



2. BUILD CUSTOM
BENCHMARK

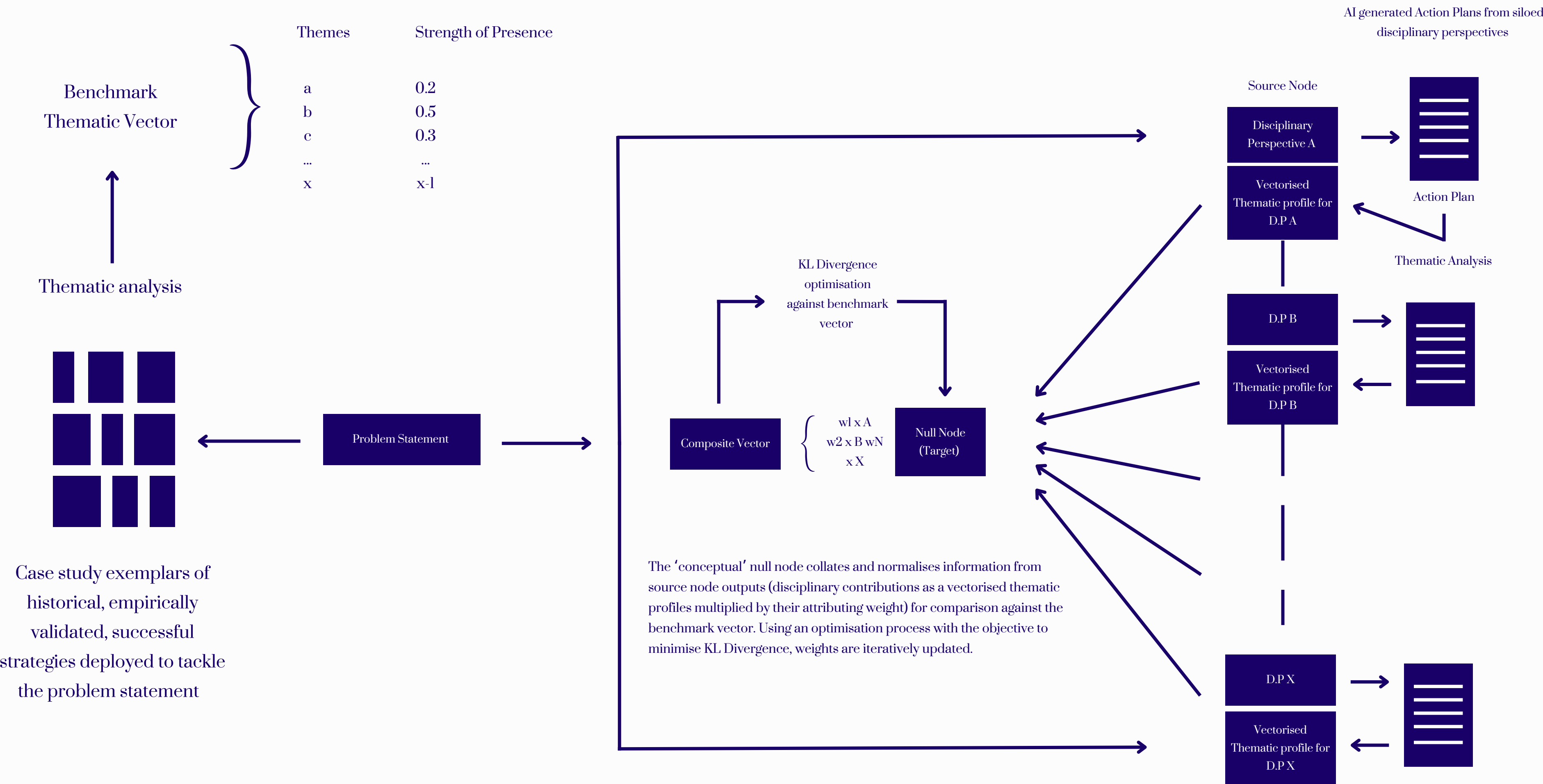


3. RUN ANALYSIS
& OPTIMISATION



4. DELIVER
STRATEGIC
RECOMMENDATIONS

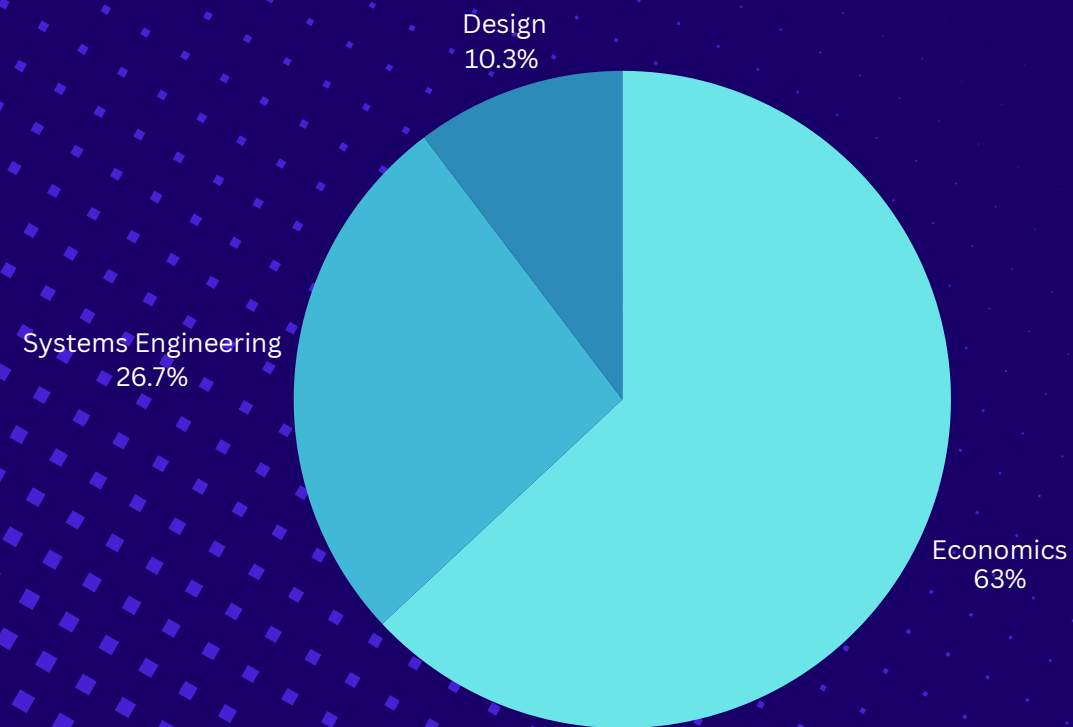




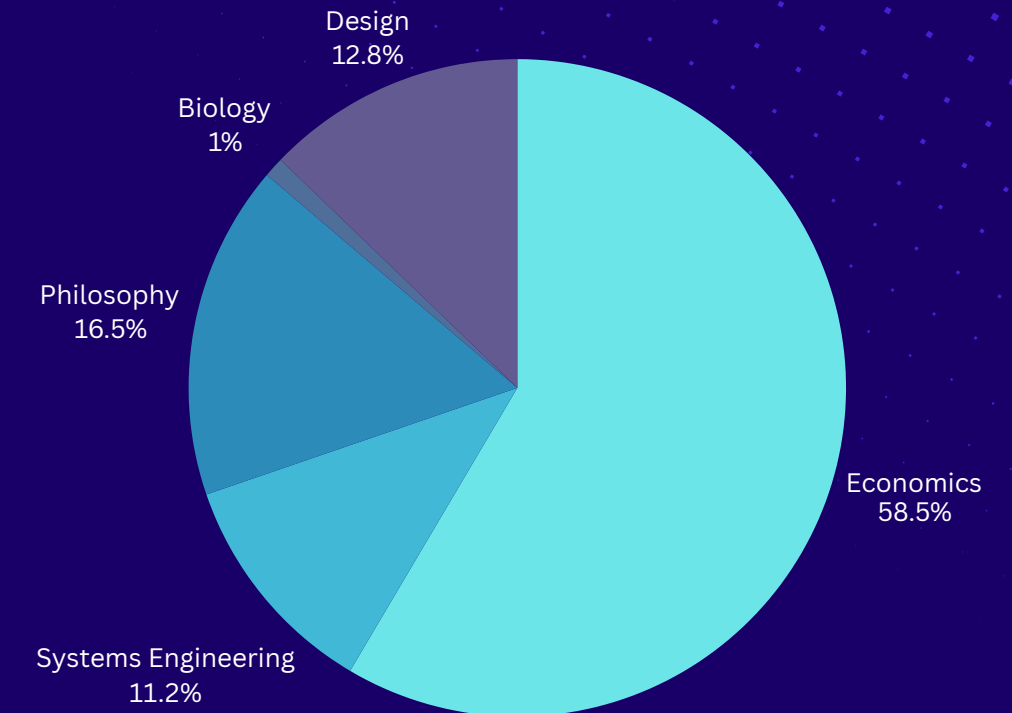
The Proof of Concept: A Pilot Study

Optimal Team Design

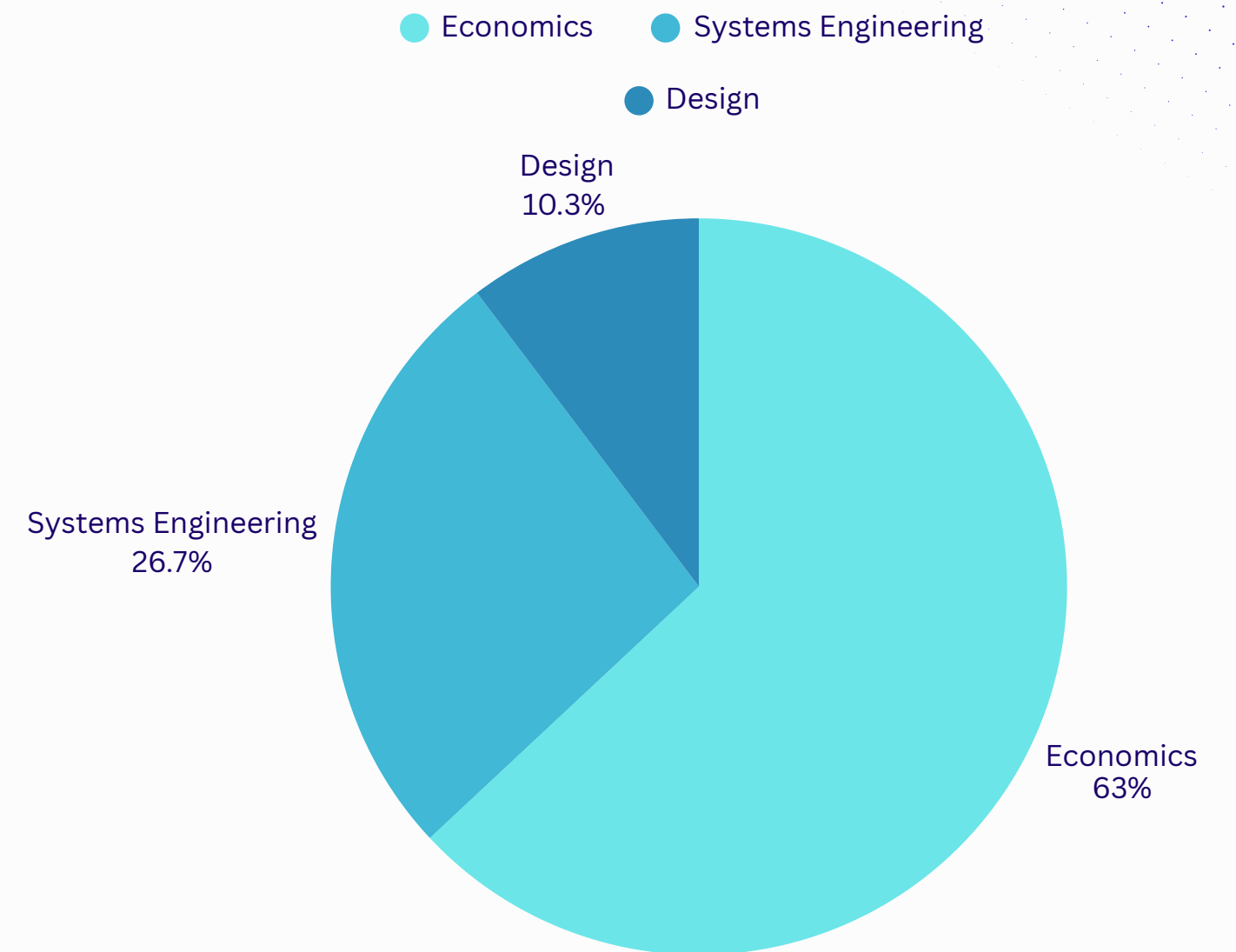
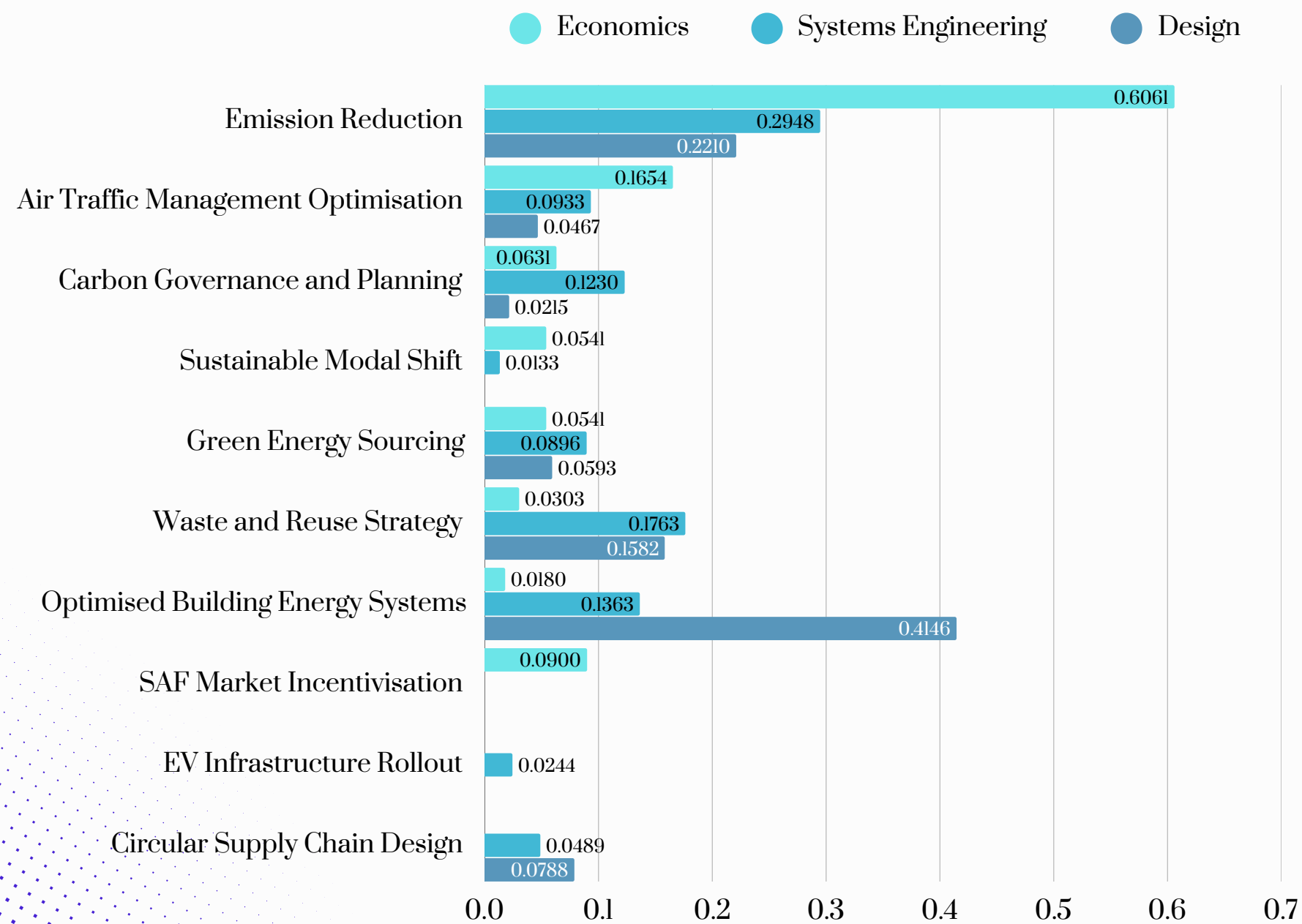
For the Achievement of Heathrow Airport's Sustainability Goal's



Economics
Engineering
Environmental Science
Biology
Architecture
Anthropology
Geography
Systems Engineering
Philosophy
Education
Design



Disciplinary Make-up



The Proposal: 3-Phase Pilot

NARROWING THE LENS AND SELCETING A PROBLEM

Refine the problem to address a complex problem you face.

MODEL ADAPTION

Adapt the model to your unique workforce and personnel backgrounds and tailor the team size to suit you. Further, develop an improved benchmark for the given problem

STRATEGIC GUIDANCE

I will present you with a data-driven recommendation for team composition along with a detailed report on optimal team structure.

Thank You for Your Attention

THIS PROPOSAL AIMS TO PROVIDE A NOVEL DATA-DRIVEN APPROACH TO OPTIMISING HEATHROW'S STRATEGIC TEAM FORMATION.

We appreciate your consideration and look forward to collaborating on this transformative journey towards a more efficient and innovative future for Heathrow.



Kynos Partners

Alexander Lambrianou

alexander.lambrianou@gmail.com